REMARKS

The above-identified application is United States application serial number 10/697,820 filed on October 29, 2003. Claims 1-32 are pending in the application. Claims 1-32 are rejected.

Rejection of Claims under 35 U.S.C. §103

Claims 1-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baird: Oracle 8i Data Guard Concepts, Administration, and Installation Guide, Release 3.0, October 2001, Oracle® (hereafter "OraDgd") in view of Bobrowski et al.: Oracle 7™ Server Concepts, Release 7.3, February 1996, Oracle® (hereafter "Ora734). Applicants have amended all claims. Amended claims 1-5 and 7-8 distinguish over the cited references at least because the references do not teach "a main protocol . . . that transfers the logical object in multiple fragments in combination with information indicative of logical object fragment commencement and completion in the multiple fragment database application transfer comprising . . . receiving an application request to write the logical object of a specified length to a specified virtualized storage address; converting the virtualized write address and resolving the transfer length to designate at least one physical address in at least one physical storage device for transferring the logical object in fragments; sending a first control message to the at least one physical storage device identifying the start of a logical object to be held in a remote mirror cache for destaging; and sending a second control message identifying the end of the logical object so that the mirror cache is destaged to the at least one physical storage device, no portion of the logical object fragments being otherwise destaged." Similarly, amended claims 9-13 and 15-21 distinguish over the cited references at least because the references do not disclose an article of manufacture that includes a program code that executes the actions claimed in claim 1.
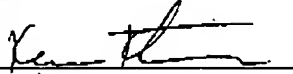
Amended claims 22-27 distinguish over the references at least because the references do not teach a method including actions of "receiving at the remote storage site first and second control messages from a main storage site identifying respective start and end of the logical object; caching the multiple fragments at the remote storage site as received; and destaging the logical object at the remote storage site to the storage on receipt of all fragments."

Amended claims 28-31 distinguish over the references at least because the references do not disclose a method including actions of "deploying from the main storage site the logical object in multiple fragments in combination with control information indicative of logical object fragment commencement and completion in the multiple fragment database application transfer; the control information controlling the cache sidefile to cache the multiple fragments as received; receiving an application request to write the logical object of a specified length to a specified virtualized storage address; converting the virtualized write address and resolving the transfer length to designate at least one physical address in at least one physical storage device for transferring the logical object in fragments; sending a first control message to the at least one physical storage device identifying the start of a logical object to be held in a remote mirror cache for destaging; sending a second control message identifying the end of the logical object so that the mirror cache is destaged to the at least one physical storage device, no portion of the logical object fragments being otherwise destaged; and destaging at the remote storage site the logical object to the storage on receipt of all fragments."

CONCLUSION

The application, including all remaining Claims 1-5, 7-13, and 15-32, is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the examiner is requested to telephone the undersigned at (949) 251-0250.
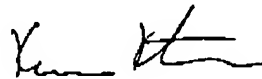
I hereby certify that this correspondence is being facsimile transmitted to the USPTO, Central Number at (571) 273-8300 on the date shown below'

_____ (Signature)

Ken J Koestner (Printed Name of Person Signing Certificate)

February 21, 2007 (Date)

Respectfully submitted,

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Reg. No. 33,004

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